INTERNATIONAL SEARCH REPORT

nal Application No ドロイはB2004/003176

| A. | CLA | SSIFIC | OITA | N OF | SUBJ | ECT | MAT | rer |
|----|-----|--------|------|------|------|-----|-----|-----|
| TF | 'n | 7 | 601 | N21 | 1/47 | | | |

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, COMPENDEX

| Category ° | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| Х | US 5 989 923 A (MAYES ANDREW GEOFFREY ET AL) 23 November 1999 (1999-11-23) figure 1a | 1-15 |
| Х | GB 2 054 995 A (MARCONI CO LTD) 18 February 1981 (1981-02-18) figures 3-5 | 1–15 |
| X | US 5 461 499 A (FUJIWARA TOSHIAKI ET AL) 24 October 1995 (1995-10-24) figures 1,2,11 | 1–15 |
| X | US 6 483 611 B1 (MIZUTANI YASUHIRO ET AL) 19 November 2002 (2002-11-19) figures 9,10 | 1-15 |

| Further documents are listed in the continuation of box C. | Patent family members are listed in annex. |
|---|---|
| Special categories of cited documents: A* document defining the general state of the art which is not considered to be of particular relevance E* earlier document but published on or after the international filing date L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) O* document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed | "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family |
| Date of the actual completion of the international search | Date of mailing of the international search report |
| 22 October 2004 | 03/11/2004 |
| Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 | Authorized officer |
| European Palein Cince, P.C. 5616 Paleiniaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016 | Mason, W |

INTERNATIONAL SEARCH REPORT

nal Application No

| Pategory ° | ation) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. | | |
|------------|--|-----------------------|--|--|
| y | | | | |
| A | WO 99/63408 A (MAYES ANDREW GEOFFREY; UNIV CAMBRIDGE TECH (GB); BLYTH JEFFREY (GB);) 9 December 1999 (1999-12-09) pages 12-13 | 1-15 | | |
| A | PATENT ABSTRACTS OF JAPAN vol. 2000, no. 15, 6 April 2001 (2001-04-06) & JP 2000 346943 A (DENSO CORP), 15 December 2000 (2000-12-15) abstract; figure 2 | 1-15 | | |
| A | PATENT ABSTRACTS OF JAPAN vol. 0124, no. 99 (P-807), 27 December 1988 (1988-12-27) & JP 63 208804 A (NIPPON DENSO CO LTD), 30 August 1988 (1988-08-30) abstract; figures 1,2 | 1–15 | | |
| A | DATABASE COMPENDEX 'Online! ENGINEERING INFORMATION, INC., NEW YORK, NY, US; 1 April 1996 (1996-04-01), BLYTH JEFF ET AL: "Holographic sensor for water in solvents" XP000584685 Database accession no. EIX96303152295 abstract; figure 1 & ANAL CHEM; ANALYTICAL CHEMISTRY APR 1 1996 ACS, WASHINGTON, DC, USA, vol. 68, no. 7, 1 April 1996 (1996-04-01), pages 1089-1094, | 1-15 | | |
| А | US 5 898 511 A (MIZUTANI YASUHIRO ET AL) 27 April 1999 (1999-04-27) figure 6 | 1-15 | | |
| | | | | |
| | | | | |
| | | | | |

INTERNATIONAL SEARCH REPORT

Ir nal Application No
PCT/GB2004/003176

| Patent do | ocument arch report | | Publication date | | Patent family member(s) | | Publication date |
|------------|------------------------|---------------|------------------|------|----------------------------|--------|------------------|
| US 5989 | 9923 | A | 23-11-1999 | AU | 2076795 | A | 17-10-1995 |
| US 590. | 3323 | • | 20 11 1333 | CA | 2186603 | | 05-10-1995 |
| | | | | DE | 69531733 | | 16-10-2003 |
| | | | | DĒ | 69531733 | | 01-07-2004 |
| | | | | ĒΡ | 1369681 | | 10-12-2003 |
| | | | | ĒΡ | 0753139 | | 15-01-1997 |
| | | | | WO | 9526499 | | 05-10-1995 |
| | | • | | GB | 2301886 | | 18-12-1996 |
| GB 205 | 4995 | Α | 18-02-1981 | NONE | | | |
| US 546 | 1/00 | А | 24-10-1995 | JP | 3390467 | B2 | 24-03-2003 |
| 05 540 | 1499 | | 24 10 1330 | JP | 5333214 | | 17-12-1993 |
| | | | | ĴΡ | 6107037 | | 19-04-1994 |
| | | | | DE | 4317896 | | 02-12-1993 |
| US 648 | 3611 | - | 19-11-2002 | JP | 2000009938 | А | 14-01-2000 |
| 00 0 10 | | | | JP. | 2000024128 | | 25-01-2000 |
| | | | | ĴΡ | 2000047554 | | 18-02-2000 |
| | | | • | ΕP | 0961181 | | 01-12-1999 |
| | | | | US | 6141123 | | 31-10-2000 |
| WO 996 | 3408 | Α · | 09-12-1999 | AU | 4051099 | | 20-12-1999 |
| | | | | CA | 2333670 | | 09-12-1999 |
| | | | | EP | 1082643 | | 14-03-2001 |
| | | | | WO | 9963408 | | 09-12-1999 |
| | | | | US | 6689316 | B1 | 10-02-2004 |
| JP 200 | 0346943 | Α | 15-12-2000 | NONE | | | |
| JP 632 | 08804 | Α | 30-08-1988 | JP | 2091026 | | 18-09-1996 |
| | | | · · | JP | 8012297 | B | 07-02-1996 |
| US 589 | 8511 | Α | 27-04-1999 | JP | 6138804 | | 20-05-1994 |
| | | | | JР | 6167615 | | 14-06-1994 |
| | | | | DE | 69332090 | | 08-08-2002 |
| | | | | DE | 69332090 | | 17-10-2002 |
| | | | | EP. | 0585941 | | 09-03-1994 |
| | | | | EP | 0840183 | | 06-05-1998 |
| | | | | JP | 6195016 | A | 15-07-1994 |